

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings, of claims in this application:

Listing of Claims:

1. (Currently Amended) A disposable single use bio-filter pad for [[For]] use in the detection of fetal activity occurrences
an occurrence of a physiological action imparting a displacement
abdominal displacements to an expectant mother's abdomen a body
part at a natural fetal activity frequency signature within the
range of 8-25 Hz, the bio-filter pad being intended for use
with a discrete transducer sensitive to an expectant
mother's abdominal displacements, the [[, a]] bio-filter pad
being sized and shaped for conforming to an expectant mother's
abdomen and comprising:

(a) a viscoelastic interior with a topside and an underside
substantially opposite and parallel to said topside for
respectively facing away from and toward the body part and a
viscoelastic interior an expectant mother's abdomen, said bio-
filter pad adapted for intimate juxtapositioning against the body
part, and having a mechanical resonance frequency midway in the

range at an associated frequency of the 8-25 Hz natural fetal activity frequency signature for amplifying an expectant mother's abdominal displacements on being intimately juxtaposed against her abdomen; associated with the physiological action

(b) a peel-off protective liner for exposing an adhesive surface suitable for removable intimate adhesion of at least a portion of said underside onto the expectant mother's abdomen; and

(c) a restraining member on said topside for slidingly receiving the transducer in a direction substantially co-directional with said topside and underside for removably intimately mechanically coupling the transducer to a central location on said topside.

2. Deleted.

3. (Currently Amended) The pad according to claim 1 wherein said viscoelastic interior has concentric sections for focusing mechanical energy imparted to the bio-filter pad due to the expectant mother's abdominal displacements towards the centrally located traduce a displacement of the body part lying thereunder toward a transducer centrally disposed on its topside facing away from the body part.

Claims 4 - 23 (deleted).